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FORM 1449*

INFORMATION DISCLOSURE STATEMENT

IN AN APPLICATION

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Docket Number: 12008.39USU1

Filing Date: 06/16/2000

Group Art Unit: 3736

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TEAT & THADEMIC	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSI	LATION
1	52-85855	04/20/1987	JP			YES	NO
	2 114747	05/26/1987	JP			Abstract	
	3-58149	03/12/1988	JP	 		Abstract	
	3-128252	05/31/1988	JP			Abstract	
	3-139246	06/11/1988				Abstract	
	3-294799	12/01/1988	JP		-	Abstract	
	3-317758		JP			Abstract	
		12/26/1988	JP			Abstract	
	-114746	05/08/1989	JP			Abstract	
	-114747	05/08/1989	JP			Abstract	
	-134244	05/26/1989	JP			Abstract	
1-	-156658	06/20/1989	JP			Abstract	
2-	-62958	03/02/1990	JP			Abstract	
2-	-120655	05/08/1990	1b			Abstract	
2-	-287145	11/27/1990	JP			Abstract	
2-	310457	12/26/1990	JP			Abstract	
3-	26956	02/05/1991	JP			Abstract	
3-	28752	02/06/1991	JP			Abstract	
3-	202764	09/04/1991	JP			Abstract	
5-	72171	03/23/1993	JP			Abstract	
5-	196595	08/06/1993	JP			Abstract	
W	O 85/05119	11/21/1985	PCT			Abstract	
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	- 1						YES	NC
:	WO 94/2714	10	11/24/1994	PCT				
	WO 95/0281	7	01/26/1995	PCT				
	WO 97/0044	1	01/03/1997	PCT				
	WO 97/1846	4 1	05/1997	PCT				
	WO 97/1934	4	05/29/1997	PCT				
	WO 97/4288	2	11/20/1997	PCT				
	WO 97/4288	33	11/20/1997	PCT		Bear		
	WO 97/4288	6	11/20/1997	PCT		HEG	EIVE	<u> </u>
	WO 97/4288	8	11/20/1997	PCT		NONOL	802004	
	WO 97/4396	2	11/27/1997	PCT		GEOTAVOLOG	0 2004	
	WO 98/3522	5	08/1998	PCT	-	TECHNOLOG	Y CENTER 137	00
	WO 99/0810	6 .	02/18/1999	PCT			`	
	WO 99/3015	2	06/17/1999	PCT				
5	1281988 A1		01/07/1987	SU			Abstract	
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				g Interfaces Using Two-Layer F Ruthenium and Iron on Electroc				d
				etric enzyme electrodes. Part II . Interfacial Electrochem., 194(2			for the oxidatio	n of gluco
**		Albery, W. J	et al., "Amperom	etric Enzyme Electrodes," Phil.	Trans. R. Soc. Lond	d. B316:1 07-119 (198	37).	
		Alcock, S. J. (1994).	et al., "Continuou	s Analyte Monitoring to Aid Cli	nical Practice," <i>IEE</i>	EE Engineering in Me	dicine and Biolo	gy, 319-3
	٠.	Anderson, L. 10:295-305 (ayer Electrochemistry: Steady-S	State Methods of St	udying Rate Processe	s," J. Electroana	I. Chem.,
		✓Bartlett, P. N	. et al., "Covalent	Binding of Electron Relays to C	lucose Oxidation,"	J. Chem. Soc. Chem.	Commun., 1603	-1604 (19
		Bartlett, P. N only) (1990).		tion of glucose oxidase by tetrat	hiafulvalene," <i>J. Ch</i>	em. Soc., Chem. Com	mun., 16 (1 page	e - Abstrac
		Bartlett, P. N	. et al., "Strategies	for the Development of Amper	ometric Enzyme Ele	ectrodes," Biosensors	, 3 :359-379 (198	7/88).

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DATE CONSIDERED

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INFORMATION DISCLOSURE STATEMENT

IN AN APPLICATION

(Use several sheets if necessary)

Docket Number: 12008.39USU1

Application Number:

09/595,708

Filing Date: 06/16/2000

Group Art Unit: 3736

THE THE PARTY OF T		
The state of the s		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
		Bobbioni-Harsch, E. et al., "Lifespan of subcutaneous glucose sensors and their performances during dynamic glycaemia changes in rats," <i>J. Biomed. Eng.</i> 15:457-463 (1993).
		Brandt, J. et al., "Covalent attachment of proteins to polysaccharide carriers by means of benzoquinone," <i>Biochim. Biophys. Acta</i> , 386(1 (1 page Abstract only) (1975).
		Brownlee, M. et al., "A Glucose-Controlled Insulin-Delivery System: Semisynthetic Insulin Bound to Lectin", <i>Science</i> , 206(4423):1190-1191 (December 7, 1979).
		Cass, A.E.G. et al., "Ferricinum Ion As An Electron Acceptor for Oxido-Reductases," J. Electroanal. Chem., 190:117-127 (1985).
		Cass, A.E.G. et al., "Ferrocene-Mediated Enzyme Electrode for Amperometric Determination of Glucose", <i>Anal. Chem.</i> , 56(4):667-671 (April 1984).
		Castner, J. F. et al., "Mass Transport and Reaction Kinetic Parameters Determined Electrochemically for Immobilized Glucose Oxidase," <i>Biochemisty</i> , 23(10):2203-2210 (1984).
	·	Claremont, D.J. et al., "Biosensors for Continuous In Vivo Glucose Monitoring", <i>IEEE Engineering in Medicine and Biology Society 10th Annual International Conference</i> , New Orleans, Louisiana, 3 pgs. (November 4-7, 1988).
		Chen, C.Y. et al., "A Biocompatible Needle-Type Glucose Sensor Based on Platinum-Electroplated Carbon Electrode", Applied Biochemistry and Biotechnology, 36:211-226 (1992)
		Chen, C.Y. et al., "Amperometric Needle-Type Glucose Sensor based on a Modified Platinum Electrode with Diminished Response to Interfering Materials", <i>Analytica Chimica Acta</i> , 265:5-14 (1992)
		Clark, L.C. et al., "Differential Anodic Enzyme Polarography for the Measurement of Glucose", Oxygen Transport to Tissue: Instrumentation, Methods, and Physiology, 127-133 (1973).
		Clark, L.C., Jr. et al., "Electrode Systems for Continuous Monitoring in Cardiovascular Surgery," Annals New York Academy of Sciences, pp. 29-45 (1962).
		Clarke, W. L., et al., "Evaluating Clinical Accuracy of Systems for Self-Monitoring of Blood Glucose," <i>Diabetes Care</i> , 10(5):622-628 (September-October 1987).
	00	Csöregi, E. et al., "Design, Characterization, and One-Point in Vivo Calibration of a Subcutaneously Implanted Glucose Electrode," Anal. Chem. 66(19):3131-3138 (October 1, 1994).
		Csöregi, E. et al., "On-Line Glucose Monitoring by Using Microdialysis Sampling and Amperometric Detection Based on "Wired" Glucose Oxidase in Carbon Paste," <i>Mikrochim. Acta.</i> 121:31-40 (1995).
- -	<u>8</u>	Davis, G., "Electrochemical Techniques for the Development of Amperometric Biosensors", Biosensors, 1:161-178 (1985).
NOV 1828	FGHRICHEN POS	Degani, Y. et al., "Direct Electrical Communication between Chemically Modified Enzymes and Metal Electrodes. 1. Electron Transfer from Glucose Oxidase to Metal Electrodes via Electron Relays, Bound Covalently to the Enzyme," J. Phys. Chem., 91(6):1285 1289 (1987).
α_	TEGI	Degani, Y. et al., "Direct Electrical Communication between Chemically Modified Enzymes and Metal Electrodes. 2. Methods for Bonding Electron-Transfer Relays to Glucose Oxidase and D-Amino-Acid Oxidase," J. Am. Chem. Soc., 110(8):2615-2620 (1988).
		Degani, Y. et al., "Electrical Communication between Redox Centers of Glucose Oxidase and Electrodes via Electrostatically and Covalently Bound Redox Polymers," J. Am. Chem. Soc., 111:2357-2358 (1989).
		Denisevich, P. et al., "Unidirectional Current Flow and Charge State Trapping at Redox Polymer Interfaces on Bilayer Electrodes: Principles, Experimental Demonstration, and Theory," J. Am. Chem. Soc., 103(16):4727-4737 (1981).

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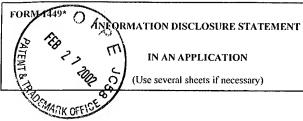
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	INFORMATION DISCLOSURE STATEME IN AN APPLICATION	Docket Number: Application Number: 12008.39USU1 Application Number: 09(595,708	
PATE	(Use several sheets if necessary)	Filing Date: 06/16/2000 Group Art Unit: 3736	
12	92 01		

MARK OF ST	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	Dicks, J. M., "Ferrocene modified polypyrrole with immobilised glucose oxidase and its application in amperometric glucose microbiosensors," <i>Ann. Biol. clin.</i> , 47:607-619 (1989).
	Engstrom, R.C., "Electrochemical Pretreatment of Glassy Carbon Electrodes", Anal. Chem., 54(13):2310-2314 (November 1982).
	Engstrom, R.C. et al., "Characterization of Electrochemically Pretreated Glassy Carbon Electrodes", Anal. Chem., 56(2):136-141 (February 1984).
	Ellis, C. D., "Selectivity and Directed Charge Transfer through an Electroactive Metallopolymer Film," J. Am. Chem. Soc., 103(25):7480-7483 (1981).
	Fischer, H. et al., "Intramolecular Electron Transfer Mediated by 4,4'-Bipyridine and Related Bridging Groups", <i>J. Am. Chem. Soc.</i> , 98(18):5512-5517 (September 1, 1976).
	Foulds, N.C. et al., "Enzyme Entrapment in Electrically Conducting Polymers," J. Chem. Soc., Faraday Trans 1., 82:1259-1264 (1986)
	Foulds, N.C. et al., "Immobilization of Glucose Oxidase in Ferrocene-Modified Pyrrole Polymers," <i>Anal. Chem.</i> , 60(22):2473-2478 (November 15, 1988).
	Frew, J.E. et al., "Electron-Transfer Biosensors", Phil. Trans. R. Soc. Lond., B316:95-106 (1987).
	Gernet, S. et al., "Fabrication and Characterization of a Planar Electrochemical Cell and Its Application as a Glucose Sensor", Biosensors & Actuators, 18:59-70 (1989).
	Gorton, L. et al., "Selective detection in flow analysis based on the combination of immobilized enzymes and chemically modified electrodes," <i>Analytica Chimica Acta.</i> , 250 :203-248 (1991).
	Gregg, B. A. et al., "Cross-Linked Redox Gels Containing Glucose Oxidase for Amperometric Biosensor Applications," <i>Analytical Chemistry</i> , 62(3):258-263 (February 1, 1990).
	Gregg, B. A. et al., "Redox Polymer Films Containing Enzymes. 1. A Redox-Conducting Epoxy Cement: Synthesis, Characterizatio and Electrocatalytic Oxidation of Hydroquinone," <i>J. Phys. Chem.</i> , 95(15):5970-5975 (1991).
	Hale, P.D. et al., "A New Class of Amperometric Biosensor Incorporating a Polymeric Electron-Transfer Mediator," J. Am. Chem. Soc. 111(9):3482-3484 (1989).
NEW 1 8 2004 MEDICINE STREET	Harrison, D.J. et al., "Characterization of Perfluorosulfonic Acid Polymer Coated Enzyme Electrodes and a Miniaturized Integrated Potentiostat for Glucose Analysis in Whole Blood", Anal. Chem., 60(19):2002-2007 (October 1, 1988).
17 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Hawkridge, F. M. et al., "Indirect Coulometric Titration of Biological Electron Transport Components," <i>Analytical Chemistry</i> , 45(7):1021-1027 (June 1973).
正多篇	Heineman, W.R. et al., "Measurement of Enzyme E° ' Values by Optically Transparent Thin Layer Electrochemical Cells", <i>Analytical Chemistry</i> , 47(1):79, 82-84 (January 1975)
Œ	Heineman, W.R. "Spectro-electro-chemistry", Analytical Chemistry, 50(3):390-392, 394, 396, 398, 400, 402 (March 1978)
	Heller, A., "Amperometric biosensors based on three-dimensional hydrogel-forming epoxy networks," <i>Sensors and Actuators B</i> , 13-14:180-183 (1993).
	Heller, A., "Electrical Connection of Enzyme Redox Centers to Electrodes," J. Phys. Chem., 96(9):3579-3587 (1992).
	Heller, A., "Electrical Wiring of Redox Enzymes," Acc. Chem. Res., 23(5):129-134 (1990).
	/Ianniello, R.M. et al. "Immobilized Enzyme Chemically Modified Electrode as an Amperometric Sensor", <i>Anal. Chem.</i> , 53(13):2090-2095 (November 1981).

EXAMINER DATE CONSIDERED



IN AN APPLICATION

(Use several sheets if necessary)

Docket Number: 12008.39USU1

Application Number:

09/595,708

Filing Date: 06/16/2000

Group Art Unit: 3736

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	lanniello, R.M. et al., "Differential Pulse Voltammetric Study of Direct Electron Transfer in Glucose Oxidase Chemically Modified Graphite Electrodes", Anal. Chem., 54:(7):1098-1101 (June 1981).
	/keda, T. et al., "Glucose oxidase-immobilized benzoquinone-carbon paste electrode as a glucose sensor," Agric. Biol. Chem., 49(2) (1 page - Abstract only) (1985).
	Johnson, J. M. et al., "Potential-Dependent Enzymatic Activity in an Enzyme Thin-Layer Cell," Anal. Chem. 54:1377-1383 (1982).
(4)	Johnson K. W. et al., "In Vivo Evaluation of an Electroenzymatic Glucose Sensor Implanted in Subcutaneous Tissue", <i>Biosensors & bioelectronics</i> 7:709-714 (1992)
	Johnson, K.W., "Reproducible Electrodeposition of Biomolecules for the Fabrication of Miniature Electroenzymatic Biosensors", Sensors and Actuators B Chemical, B5:85-89 (1991).
	Jönsson, G. et al., "An Amperometric Glucose Sensor Made by Modification of a Graphite Electrode Surface With Immobilized Glucose Oxidase and Adsorbed Mediator", <i>Biosensors</i> , 1:355-368 (1985).
	Josowicz, M. et al., "Electrochemical Pretreatment of Thin Film Platinum Electrodes", J. Electrochem. Soc., 135(1):112-115 (January 1988).
	Katakis, I. et al., "Electrostatic Control of the Electron Transfer Enabling Binding of Recombinant Glucose Oxidase and Redox Polyelectrolytes," J. Am. Chem. Soc., 116(8):3617-3618 (1994).
	Katakis, 1. et al., "L-α-Glycerophosphate and L-Lactate Electrodes Based on the Electrochemical "Wiring" of Oxidases," <i>Analytical Chemistry</i> , 64(9):1008-1013 (May 1, 1992).
NECEIVED NOV 1 8 2004 GENVOLOGY/GENTEROPO	Kenausis, G. et al., "'Wiring' of glucose oxidase and lactate oxidase within a hydrogel made with poly(vinyl pyridine) complexed with [Os(4,4'-dimethoxy-2,2'-bipyridine) ₂ C1] ^{+/2+} ," <i>J. Chem. Soc., Faraday Trans.</i> , 92(20):4131-4136 (1996).
以	Kondo, T. et al., "A Miniature Glucose Sensor, Implantable in the Blood Stream", Diabetes Care, 5(3):218-221 (May-June 1982)
田一	Kulys, J. et al., "Mediatorless peroxidase electrode and preparation of bienzyme sensors," <i>Bioelectrochemisty and Bioenergetics</i> , 24:305-311 (1990).
	Lager, W. et al., "Implantable Electrocatalytic Glucose Sensor," Horm. Metab. Res., 26:526-530 (November 1994).
	Lee, J. et al., "A New Glucose Sensor using Microporous Enzyme Membrane", Sensors and Actuators, B3:215-219 (1991)
	Lewandowski, J.J. et al., "Evaluation of a Miniature Blood Glucose Sensor", Trans Am Soc Artif Intern Organs, XXXIV: 255-258 (1988)
	Lindner, E. et al. "Flexible (Kapton-Based) Microsensor Arrays of High Stability for Cardiovascular Applications", J. Chem. Soc. Faraday Trans., 89(2):361-367 (January 21, 1993).
	Maidan, R. et al., "Elimination of Electrooxidizable Interferant-Produced Currents in Amperometric Biosensors," <i>Analytical Chemistry</i> 64(23):2889-2896 (December 1, 1992).
	Mann-Buxbaum, E. et al, "New Microminiaturized Glucose Sensors Using Covalent Immobilization Techniques", Sensors and Actuators, B1:518-522 (1990)
	Mastrototaro, J.J. et al., "An Electroenzymatic Glucose Sensor Fabricated on a Flexible Substrate", Sensors and Biosensors B Chemical B5:139-144 (1991).
	Matthews, D.R., et al., "An Amperometric Needle-Type Glucose Sensor Tested in Rats and Man", <i>Original Articles</i> , pp. 248-252 (1988)

F	×	Δ	N/	111	V	F	R

DATE CONSIDERED



INFORMATION DISCLOSURE STATEMENT

IN AN APPLICATION

(Use several sheets if necessary)

Docket Number:

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Application Number:

\$2008.39USU1

EFA

Ø9%595,708 ****

Group Art Unit: 3736

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	McKean et al., "A telemetry-Instrumentation System for Chronically Implanted Glucose and Oxygen Sensors", <i>IEEE Transactions of Biomedical Engineering</i> , 35(7):526-532 (July 1988)
	McNeil, C. J. et al., "Thermostable Reduced Nicotinamide Adenine Dinucleotide Oxidase: Application to Amperometric Enzyme Assay," Anal. Chem., 61(1):25-29 (January 1, 1989).
	Miyawaki, O. et al., "Electrochemical and Glucose Oxidase Coenzyme Activity of Flavin Adenine Dinucleotide Covalently Attached to Glassy Carbon at the Adenine Amino Group", Biochimica et Biophysica Acta, 838:60-68 (1985).
	Moatti-Sirat, D. et al., "Evaluating <i>in vitro</i> and <i>in vivo</i> the inteference of ascorbate and acetaminophen on glucose detection by a needle type glucose sensor," <i>Biosensors & Bioelectronics</i> , 7(5):345-352 (1992).
	Moatti-Sirat, D. et al., "Reduction of acetaminophen interference in glucose sensors by a composite Nafion membrane: demonstration in rats and man," <i>Diabetologia</i> , 37(6) (1 page - Abstract only) (June 1994).
	Moatti-Sirat, D. et al., "Towards continuous glucose monitoring: in vivo evaluation of a miniaturized glucose sensor implanted for several days in rat subcutaneous tissue," <i>Diabetologia</i> , 35(3) (1 page - Abstract only) (March 1992).
	Moser, I. et al., "Advanced Immobilization and Protein Techniques on thin Film Biosensors", Sensors and Actuators, B7:356-362 (1992).
	Moussy, F. et al., "Performance of Subcutaneously Implanted Needle-Type Glucose Sensors Employing a Novel Trilayer Coating", Anal. Chem., 65:2072-2077 (1993)
	Nagy, G. et al., "A New Type of Enzyme Electrode: The Ascorbic Acid Eliminator Electrode," Life Sciences, 31(23):2611-2616 (1982)
5.	Nakamura, S. et al., "Effect of Periodate Oxidation on the Structure and Properties of Glucose Oxidase," <i>Biochimica et Biophysica Acta.</i> , 445:294-308 (1976).
Ω %	Narasimhan, K. et al., "p-Benzoquinone activation of metal oxide electrodes for attachment of enzymes," <i>Enzyme Microb. Technol.</i> , 7(6) (1 page - Abstract only) (1985).
ECENTE NOW 1 8 2004 NOLOGY CENTER	√Ohara, T. J. et al., "Glucose Electrodes Based on Cross-Linked [Os(bpy) ₂ C1] ^{+/2+} Complexed Poly(1-vinylimadazole) Films," Analytical Chemistry, 65(23):3512-3516 (December 1, 1993).
11 000 3	Ohara, T. J., "Osmium Bipyridyl Redox Polymers Used in Enzyme Electrodes," Platinum Metals Rev., 39(2):54-62 (April 1995).
NOV 1 8 2	Ohara, T. J. et al., ""Wired" Enzyme Electrodes for Amperometric Determination of Glucose or Lactate in the Presence of Interfering Substances," <i>Analytical Chemistry</i> , 66(15):2451-2457 (August 1, 1994).
<u>a</u>	Olievier, C. N. et al., "In vivo Measurement of Carbon Dioxide Tension with a Miniature Electrode," <i>Pflugers Arch.</i> 373 :269-272 (1978).
	Paddock, R. et al., "Electrocatalytic reduction of hydrogen peroxide via direct electron transfer from pyrolytic graphite electrodes to irreversibly adsorbed cytochrome c peroxidase," J. Electroanal. Chem., 260:487-494 (1989).
	Palleschi, G. et al., "A Study of Interferences in Glucose Measurements in Blood by Hydrogen Peroxide Based Glucose Probes", Anal. Biochem., 159:114-121 (1986).
	Palleschi, G. et al., "Ideal Hydrogen Peroxide-Based Glucose Sensor", Applied Biochemistry and Biotechnology, 31:21-35 (1991)
	Pankratov, I. et al., "Sol-gel derived renewable-surface biosensors," Journal of Electroanalytical Chemistry, 393:35-41 (1995).
,	Pathak, C. P. et al., "Rapid Photopolymerization of Immunoprotective Gels in Contact with Cells and Tissue," J. Am. Chem. Soc., 114(21):8311-8312 (1992).

EXAMINER

DATE CONSIDERED

FEB 2 7 2002 (Use several sheets if necessary)	Docket Number: 12008.39USUI Applicants AYETAE. Filing Date: 06/16/2000	Application Number:
PRADEMENT OF TRADEMENT OF		

	OTHER DOCUMENTS (Including Author Title Date Decision Dec
	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	Pickup, J. et al., "Potentially-implantable, amperometric glucose sensors with mediated electron transfer: improving the operating stability," <i>Biosensors</i> , 4(2) (1 page - Abstract only) (1989).
	~Pishko, M.V. et al., "Amperometric Glucose Microelectrodes Prepared Through Immobilization of Glucose Oxidase in Redox Hydrogels", <i>Anal. Chem.</i> , 63(20):2268-2272 (October 15, 1991).
	Poitout, V. et al., "A glucose monitoring system for on line estimation in man of blood glucose concentration using a miniaturized glucose sensor implanted in the subcutaneous tissue and a wearable control unit," <i>Diabetolgia</i> , 36(7) (1 page - Abstract only) (July 1993).
	Poitout, V. et al., "Calibration in dogs of a subcutaneous miniaturized glucose sensor using a glucose meter for blood glucose determination," <i>Biosensors & Bioelectronics</i> , 7:587-592 (1992).
	Poitout, V. et al., "In vitro and in vivo evaluation in dogs of a miniaturized glucose sensor," ASAIO Transactions, 37(3) (1 page - Abstract only) (July-September 1991).
	Pollak, A. et al., "Enzyme Immobilization by Condensation Copolymerization into Cross-Linked Polyacrylamide Gels," J. Am. Chem. Soc., 102(20):6324-6336 (1980).
	Pons, B. S. et al., "Application of Deposited Thin Metal Films as Optically Transparent Electrodes for Internal Reflection Spectometric Observation of Electrode Solution Interfaces", <i>Analytical Chemistry</i> , 39(6):685-688, (May 1967)
	Reach, G. et al., "A Method for Evaluating in vivo the Functional Characteristics of Glucose Sensors", Biosensors 2:211-220 (1986)
	Reach, G. et al., "Can Continuous Glucose Monitoring Be Used for the Treatment of Diabetes?" Analytical Chemistry, 64(6):381-386 (March 15, 1992).
	Rebrin, K. et al., "Automated Feedback Control of Subcutaneous Glucose Concentration in Diabetic Dogs", <i>Diabetologia</i> , 32(8):573-576 (August 1989).
	Sasso, S.V. et al., "Electropolymerized 1,2-Diaminobenzene as a Means to Prevent Interferences and Fouling and to Stabilize Immobilized Enzyme in Electrochemical Biosensors", <i>Anal. Chem.</i> , 62 (11):1111-1117 (June 1, 1990).
	Schalkhammer, T. et al, "Electrochemical Glucose Sensors on Permselective Non-conducting Substituted Pyrrole Polymers", Sensors and Actuators, B4:273-281 (1991)
	Scheller, F. et al., "Enzyme electrodes and their application," Phil. Trans. R. Soc. Lond., B 316:85-94 (1987).
8 2004 GENTER	Shichiri, M. et al., "Glycaemic Control in Pancreatetomized Dogs with a Wearable Artificial Endocrine Pancreas", <i>Diabetologia</i> , 24(3):179-184 (March 1983).
Ш — %	Shigeru, T. et al, "Simultaneous Determination of Glucse and 1,5-= Anydroglucitol", Chemical Abstracts, 111:394 (1989)
RECEIVE NOV 1 8 2004 ECHNOLOGY GENTER	Sittampalam, G. et al., "Surface-Modified Electrochemical Detector for Liquid Chromatography", Anal. Chem., 55(9):1608-1610 (August 1983).
立 章	Soegijoko, S. et al., Horm. Metabl. Res., Suppl. Ser, 12 (1 page - Abstract only) (1982).
	Sprules, S. D. et al., "Evaluation of a New Disposable Screen-Printed Sensor Strip for the Measurement of NADH and Its Modification to Produce a Lactate Biosensor Employing Microliter Volumes," <i>Electroanalysis</i> , 8(6):539-543 (1996).
	Sternberg, F. et al., "Calibration Problems of Subcutaneous Glucosensors when Applied "In-Situ" in Man," Horm. metabl. Res, 26:523-525 (1994).

	· · · · · · · · · · · · · · · · · · ·
EXAMINER	DATE CONSIDERED

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION FEB 2 7 2002 (See several sheets if necessary)	Docket Number: 2008.39USU1 Applecan: SA ET-AL. Filing Date: 06/16/2000	Application Number: 09/595,708 Group Art Unit: 3736
A Adams S. M. Carlotte		Step III. Size

	T.	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
		Sternberg, R. et al., "Covalent Enzyme Coupling on Cellulose Acetate Membranes for Glucose Sensor Development," <i>Analytical Chemistry</i> , 60(24):2781-2786 (December 15, 1988).
		Suckane, M., "Immobilization of glucose isomerase," Zeitschrift für Allgemeine Mikrobiologie, 22(8):565-576 (1982).
		Tarasevich, M.R. "Bioelectrocatalysis", Comprehensive Treatise of Electrochemistry, 10 (Ch. 4):231-295 (1985).
		Taylor, C. et al., "'Wiring' of glucose oxidase within a hydrogel made with polyvinyl imidazole complexed with [(Os-4,4'-dimethoxy-2,2'-bipyridine)C1]+/2+," <i>Journal of Electroanalytical Chemistry</i> , 396 :511-515 (1995).
		Trojanowicz, M. et al., "Enzyme Entrapped Polypyrrole Modified Electrode for Flow-Injection Determination of Glucose," <i>Biosensor & Bioelectronics</i> , 5:149-156 (1990).
		Turner, A.P.F. et al., "Diabetes Mellitus: Biosensors for Research and Management", Biosensors, 1:85-115 (1985).
		Turner, R. F. B. et al., "A Biocompatible Enzyme Electrode for Continuous in vivo Glucose Monitoring in Whole Blood," Sensors and Actuators, B1(1-6):561-564 (January 1990).
		Umaha, M., "Protein-Modified Electrochemically Active Biomaterial Surface," U.S. Army Research Office Report, (12 pages) (December 1988).
		Urban, G. et al., "Miniaturized Thin-Film Biosensors Using Covalently Immobilized Glucose Oxidase", Biosensors & Bioelectronics, 6(7):555-562 (1991).
Agreem As .		Velho, G. et al., "Strategies for calibrating a subcutaneous glucose sensor," Biomed. Biochin. Acta, 48(11/12):957-964 (1989)
		Vidal, J.C. et al., "A chronoamperometric sensor for hydrogen peroxide based on electron transfer between immobilized horseradish peroxidase on a glassy carbon electrode and a diffusing ferrocene mediator", Sensors and Actuators B 21, pp. 135-141 (1994).
		Von Woedtke, T. et al., "In Situ Calibration of Implanted Electrochemical Glucose Sensors," <i>Biomed. Biochim. Acta</i> , 48(11/12):943-9 (1989).
		Vreeke, M. S. et al., "Chapter 15: Hydrogen Peroxide Electrodes Based on Electrical Connection of Redox Centers of Various Peroxidases to Electrodes through a Three-Dimensional Electron-Relaying Polymer Network," <i>Diagnostic Biosensor Polymers</i> , 7 pgs. (July 26, 1993).
Q	3700	Vreeke, M. et al., "Hydrogen Peroxide and β-Nicotinamide Adenine Dinucleotide Sensing Amperometric Electrodes Based on Electrical Connection of Horseradish Peroxidase Redox Centers to Electrodes through a Three-Dimensional Electron Relaying Polymonetwork," <i>Analytical Chemistry</i> , 64(24):3084-3090 (December 15, 1992).
CEIVED	NOLOGY CENTER 3700	Wang, J. et al., "Activation of Glassy Carbon Electrodes by Alternating Current Electrochemical Treatment", Analytica Chimica Acta, 167:325-334 (January 1985).
CE	0GY C	Wang, J. et al., "Amperometric biosensing of organic peroxides with peroxidase-modified electrodes," <i>Analytica Chimica Acta</i> . 254:81 88 (1991).
ш 2	NOL	Wang, J. et al., "Screen-Printable Sol-Gel Enzyme-Containing Carbon Inks," Analytical Chemistry, 68(15):2705-2708 (August 1, 1996)
CC.	ECH	Wang, J. et al., "Sol-Gel-Derived Metal-Dispersed Carbon Composite Amperometric Biosensors," Electroanalysis, 9(1):52-55 (1997).
		Williams, D.L. et al., "Electrochemical-Enzymatic Analysis of Blood Glucose and Lactate", Anal. Chem., 42(1):118-121 (January 1970).
		Yabuki, S. et al., "Electro-conductive Enzyme Membrane," J. Chem. Soc. Chem. Commun, 945-946 (1989).
		Yamasaki, Y., "The Development of a Needle-Type Glucose Sensor for Wearable Artificial Endocrine Pancreas", Medical Journal of Osaka University, Vol. 35, No. 1-2, pp. 24-34 (September 1994)

EVALUED	
EXAMINER	DATE CONSIDERED

FORM 1449* PENFORMATION DISCLOSURE STATEMENT IN AN APPLICATION Salise several sheets if necessary)	AND OF THE	Application Number: 09/395,708 Group Art Unit: 3736

 OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
Yang, L. et al., "Determination of Oxidase Enzyme Substrates Using Cross-Flow Thin-Layer Amperometry," <i>Electroanalysis</i> , 8(8-9):716-721 (1996).
Yao, S.J. et al., "The Interference of Ascorbate and Urea in Low-Potential Electrochemical Glucose Sensing", <i>Proceedings of the Twelfth Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 12(2):487-489 (November 1-4, 1990).
Yao, T. et al., "A Chemically-Modified Enzyme Membrane Electrode As An Amperometric Glucose Sensor," Analytica Chimica Acta. 148:27-33 (1983).
Ye, L. et al., "High Current Density "Wired" Quinoprotein Glucose Dehydrogenase Electrode," <i>Anal. Chem.</i> , 65(3):238-241 (February 1, 1993).
Yildiz, A., "Evaluation of an Improved Thin-Layer Electrode", Analytical Chemistry, 40(7):1018-1024 (June 1968)
Zamzow, K. et al., "New Wearable Continuous Blood Glucose Monitor (BGM) and Artificial Pancreas (AP), Diabetes, 39:5A(20) (May 1990).

RECEIVED

RECHNOLOGY CENTER 3700

EXAMINER

DATE CONSIDERED

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